

Data Validation Checklist
Semivolatile Organic Analyses

Project: 35TH Avenue Superfund Site
 Laboratory: TestAmerica – Tampa, FL
 Method: SW-846 8270C Low-Level (PAH)
 Matrix: Soil
 Reviewer: Jane Lindsey
 Concurrence¹: Carol Lovett, Sarah Choyke

Project No: 15268508.20000
 Job ID.: 680-87496-1
 Associated Samples: Refer to Attachment A (Sample Summary)
 Date(s) Collected: 02/13/2013
 Date: 03/05/2013
 Date: 03/29/2013

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
1. Were sample storage and preservation requirements met? If temperature >6°C, then J/UJ-flag results.	✓				
2. Were all COC records signed and integrity seals intact, indicating that COC was maintained for all samples?	✓				
3. Were there any problems noted in laboratory data package concerning condition of samples upon receipt?		✓			
4. Do any soil samples contain more than 50% water? If yes, then results are to be reported on a wet-weight basis.		✓			
5. Were holding times met (\leq 7 and 14 days from collection to extraction for aqueous and solid samples, respectively; \leq 40 days from extraction to analysis)? If not, then J/UJ-flag sample results. If grossly (2x) exceeded, then flag J/R.	✓				
6. Were results for all project-specified target analytes reported?	✓				
7. Were project-specified Reporting Limits achieved for undiluted sample analyses?	✓				
8. Were samples with analyte concentrations exceeding the calibration range of the instrument re-analyzed at a higher dilution? If not, then J-flag sample result.			✓		
9. Was a method blank extracted with each batch (i.e., one per 20 samples, per batch, per matrix and per level)?	✓				
10. Were target analytes detected in the method blank?		✓			
11. Were target analytes detected in equipment/rinsate blanks?		✓		PAHs were not detected during the analysis of rinsate blank 021213-RB-Shovel (680-87447-31).	
12. Are equipment/rinsate blanks associated with every sample? If	✓			According to the QAPP, a rinsate blank is to be collected after each decontamination event, which	

¹ Independent technical reviewer

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
no, note in DV report.				occurs once per week per the client. A rinsate blank (021213-RB-Shovel) was collected during the week of 02/11/2013. The rinsate blank was analyzed for PAHs under Test America Job ID 680-87447-2.	
13. Were analytes detected in samples below the blank contamination action level? If yes, U-flag positive sample results <5x associated blank concentration (10x for common blank contaminants – phthalates)			✓	Blank contamination does not exist.	
14. Is a field duplicate associated with this Job?	✓			<ul style="list-style-type: none"> • CV0971W-CSD (680-87496-5) is a field duplicate of CV0971W-CS (680-87496-4). • CV0971Z-CSD (680-87496-9) is a field duplicate of CV0971Z-CS (680-87496-8). • CV0971GG-CSD (680-87496-17) is a field duplicate of CV0971GG-CS (680-87496-16). 	
15. Was precision deemed acceptable as defined by the project plans?		✓		Refer to Attachment B (Field Duplicate Evaluation)	J
16. Were DFTPP ion abundance criteria (i.e., Table 3 of SW-846 8270C) met? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓			Alternate tuning criteria were used by the laboratory (i.e., EPA Method 525.2). All ion abundance criteria were met per EPA Method 525.2.	
17. Were samples analyzed within 12 hours of the DFTPP tune? If no, professional judgment may be applied to determine to what extent the data may be utilized.	✓				
18. Were initial and continuing calibration standards analyzed at the proper frequency for each instrument? <ul style="list-style-type: none"> • Ensure that a minimum of five standards are used for the initial calibration. If no, use professional judgment to determine the effect on the data and note in the reviewer narrative. • An initial calibration is to be associated with each sample analysis. • A continuing calibration standard is to be analyzed for every 12 hours of sample analysis per instrument. 	✓			<ul style="list-style-type: none"> • Initial Calibration: 02/22/2013, instrument BSMA5973 <ul style="list-style-type: none"> • ICV: 02/22/2013 @ 12:48 • Initial Calibration: 01/07/2013, instrument BSMC5973 <ul style="list-style-type: none"> • ICV: 01/07/2013 @ 17:31 • CCV: 02/20/2013 @ 14:21 • CCV: 02/21/2013 @ 11:47 • Initial Calibration: 01/07/2013, instrument BSMD5973 <ul style="list-style-type: none"> • ICV: 01/07/2013 @ 13:20 • CCV: 02/20/2013 @ 14:01 • CCV 02/21/2013 @ 11:57 	

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
19. Were calibration results within laboratory/project specifications? <ul style="list-style-type: none">• ICAL (Criteria: ≤ 15 mean %RSD with individual CCC %RSD ≤ 30 ($\leq 50\%$ for poor performers), OR $r \geq 0.995$, OR $r^2 \geq 0.99$, and RRF ≥ 0.050 (≥ 0.010 for poor performers)):<ul style="list-style-type: none">◦ If %RSD > 15 ($> 50\%$ for poor performers), or $r < 0.995$, or $r^2 < 0.995$, then J-flag positive results and UJ-flag non-detects◦ If mean RRF < 0.050 (< 0.010 for poor performers), then J-flag positive results and R-flag non-detects• ICV and CCV (Criteria: $\leq 20\%$D ($\leq 50\%$ for poor performers) and RF ≥ 0.050 (≥ 0.010 for poor performers)):<ul style="list-style-type: none">◦ If %D > 20 ($> 50\%$ for poor performers), then J-flag positive results and UJ-flag non-detects◦ If RF < 0.050 (< 0.010 for poor performers), then UJ-flag non-detected semivolatile target compounds		✓		ICV of 02/22/2013 @ 12:48, instrument BSMA5973: 2-Methylnaphthalene @ 22.1%D (Lab: ≤ 35 , Project: ≤ 20). Positive bias is indicated by the CCV percent difference; therefore, J flag detected 2-methylnaphthalene result in associated sample ² .	J
20. Was a LCS prepared for each batch and matrix?	✓				
21. Were LCS recoveries within lab control limits? If no, J-flag positive results when %R $>$ Upper Control Limit (UCL) and J/R-flag results when %R $<$ Lower Control Limit (LCL).	✓				
22. Were LCS/LCSD RPD within lab specifications? If no, J-flag positive results and UJ-flag non-detects	✓				
23. Was a MS/MSD pair extracted at the proper frequency (one per 20 samples per batch)?	✓				
24. Is the MS/MSD parent sample a project-specific sample?	✓			<ul style="list-style-type: none">• Prep Batch 134632: 680-87447-24 (CV0971A-CS), MS/MSD. Lab sample 680-87447-24 is a project-specific sample (CV0971Q-CS) that was selected by TestAmerica for the PAH MS and MSD analyses, and the results were reported under Job ID 680-87447-2.• Prep Batch 134660: 680-87496-1 (CV0971T-CS), MS/MSD	
25. Were MS/MSD recoveries within laboratory/project specifications? <i>Only QC results for project samples that are reported under this Job ID are evaluated.</i> <ul style="list-style-type: none">• If the native sample concentration $> 4x$ spiking level, then an evaluation of interference is not possible.	✓				

²Associated sample: 680-87496-15

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
<ul style="list-style-type: none"> • If either MS or MSD recovery meets control limits, qualification of data is not warranted. • MS and MSD %R<10: J and R Flag positive and ND results, respectively • MS and MSD %R >10 and <LCL: J-Flag positive and UJ-flag non-detect results • MS and MSD R% >UCL (or 140): J-Flag positive results 					
26. Were laboratory criteria met for precision during the MS/MSD analysis? <i>Only QC results for project samples that are reported under this Job ID are evaluated..</i> <ul style="list-style-type: none"> • If the native sample concentration > 4x spiking level, then an evaluation of interference is not possible. • If %RPD > UCL, J-flag positive result and UJ-flag non-detect result 	✓				
27. Were surrogate recoveries within lab/project specifications? <ul style="list-style-type: none"> • If %R <10, then J-flag positive and R-flag non-detect associated sample results • If %R >UCL, then J-flag positive results • %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results • If 1 %R >UCL and 1 %R ≥10%, but <LCL, then J-flag positive results and UJ-flag non-detect results 	✓				
28. Were internal standard (IS) results within lab/project specifications? <ul style="list-style-type: none"> • If IS area counts are less than 50% of the midpoint calibration standard, then J-flag positive and UJ-flag non-detect associated sample results • If IS area counts are greater than 100% of the midpoint calibration standard, then J-flag positive results • If extremely low area counts are reported or performance exhibits a major abrupt drop-off, then a severe loss of sensitivity is indicated, J-flag positive and R-flag non-detect results • If retention time of sample's internal standard is not within 30 seconds of the associated calibration standard, R-flag associated data. • The chromatographic profile for that sample must be examined to determine if any false positives or negatives 	✓				

Data Validation Checklist (Continued)

Review Questions	Yes	No	N/A	Samples (Analytes) Affected/Comments	Flag
exists. For shifts of large magnitude, the reviewer may consider partial or total rejection of the data for that sample fraction. Positive results need not be qualified as R, if mass spectral criteria are met.					
29. Were lab comments included in report?	✓			Refer to Attachment C (Case Narrative)	
Comments: The data validation was conducted in accordance with the <i>Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1</i> (OTIE, October 2012). The data review process was modeled after the USEPA Contract Laboratory Program (CLP) National Functional Guidelines (NFG) for Organic Methods Data Review (EPA, October 1999) and USEPA CLP NFG for Low Concentration Organic Methods Data Review (EPA, June 2001). Sample results have been qualified based on the results of the data review process (Attachment D). Criteria for acceptability of data were based upon available site information, analytical method requirements, guidance documents, and professional judgment.					

DV Flag Definitions:

- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
 R The sample results are unusable. The analyte may or may not be present in the sample.
 U The analyte was analyzed for, but was not detected above the associated level; blank contamination may exist.
 UJ The analyte was not detected above the limit, and the limit is approximate and may be inaccurate or imprecise.

ATTACHMENT A
SAMPLE SUMMARY

Sample Summary

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
 SDG: 68087496-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-87496-1	CV0971T-CS	Solid	02/13/13 08:29	02/15/13 09:42
680-87496-2	CV0971U-CS	Solid	02/13/13 08:35	02/15/13 09:42
680-87496-3	CV0971V-CS	Solid	02/13/13 08:43	02/15/13 09:42
680-87496-4	CV0971W-CS	Solid	02/13/13 08:45	02/15/13 09:42
680-87496-5	CV0971W-CSD	Solid	02/13/13 08:47	02/15/13 09:42
680-87496-6	CV0971X-CS	Solid	02/13/13 08:51	02/15/13 09:42
680-87496-7	CV0971Y-CS	Solid	02/13/13 08:56	02/15/13 09:42
680-87496-8	CV0971Z-CS	Solid	02/13/13 09:03	02/15/13 09:42
680-87496-9	CV0971Z-CSD	Solid	02/13/13 09:05	02/15/13 09:42
680-87496-10	CV0971AA-CS	Solid	02/13/13 09:08	02/15/13 09:42
680-87496-11	CV0971BB-CS	Solid	02/13/13 09:11	02/15/13 09:42
680-87496-12	CV0971CC-CS	Solid	02/13/13 09:15	02/15/13 09:42
680-87496-13	CV0971DD-CS	Solid	02/13/13 09:19	02/15/13 09:42
680-87496-14	CV0971EE-CS	Solid	02/13/13 09:27	02/15/13 09:42
680-87496-15	CV0971FF-CS	Solid	02/13/13 09:35	02/15/13 09:42
680-87496-16	CV0971GG-CS	Solid	02/13/13 09:50	02/15/13 09:42
680-87496-17	CV0971GG-CSD	Solid	02/13/13 09:53	02/15/13 09:42
680-87496-18	CV0971HH-CS	Solid	02/13/13 09:56	02/15/13 09:42
680-87496-19	CV0971II-CS	Solid	02/13/13 09:58	02/15/13 09:42
680-87496-20	CV0971JJ-CS	Solid	02/13/13 10:08	02/15/13 09:42

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ATTACHMENT B

FIELD DUPLICATE EVALUATION

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0971W-CS (680-87496-4)	RL	CV0971W-CSD (680-87496-5)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Acenaphthylene	60	230	61	220	µg/kg	1125	NA	1	450	None, absolute difference ≤ 2x Avg RL
Anthracene	96	47	130	47	µg/kg	235	NA	34	94	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	390	45	550	44	µg/kg	222.5	34	NA	NA	None, RPD ≤ 50%
Benzo(a)pyrene	380	59	540	58	µg/kg	292.5	35	NA	NA	None, RPD ≤ 50%
Benzo(b)fluoranthene	630	69	820	68	µg/kg	342.5	26	NA	NA	None, RPD ≤ 50%
Benzo(g,h,i)perylene	320	110	420	110	µg/kg	550	NA	100	220	None, absolute difference ≤ 2x Avg RL
Benzo(k)fluoranthene	210	45	320	44	µg/kg	222.5	NA	110	89	J/UJ-flag, absolute difference > 2x Avg RL
Chrysene	430	51	620	50	µg/kg	252.5	36	NA	NA	None, RPD ≤ 50%
Dibenz(a,h)anthracene	89	110	120	110	µg/kg	550	NA	31	220	None, absolute difference ≤ 2x Avg RL
Fluoranthene	790	110	1100	110	µg/kg	550	33	NA	NA	None, RPD ≤ 50%
Fluorene	27	110	35	110	µg/kg	550	NA	8	220	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	280	110	370	110	µg/kg	550	NA	90	220	None, absolute difference ≤ 2x Avg RL
1-Methylnaphthalene	110	230	94	220	µg/kg	1125	NA	16	450	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	120	230	110	220	µg/kg	1125	NA	10	450	None, absolute difference ≤ 2x Avg RL
Naphthalene	100	230	99	220	µg/kg	1125	NA	1	450	None, absolute difference ≤ 2x Avg RL
Phenanthrene	390	45	560	44	µg/kg	222.5	36	NA	NA	None, RPD ≤ 50%
Pyrene	600	110	820	110	µg/kg	550	31	NA	NA	None, RPD ≤ 50%

Analyte	CV0971Z-CS (680-87496-8)	RL	CV0971Z-CSD (680-87496-9)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Acenaphthylene	51	56	68	57	µg/kg	282.5	NA	17	113	None, absolute difference ≤ 2x Avg RL
Anthracene	42	12	94	12	µg/kg	60	NA	52	24	J/UJ-flag, absolute difference > 2x Avg RL
Benzo(a)anthracene	250	11	420	11	µg/kg	55	51	NA	NA	J/UJ-flag, RPD > 50%
Benzo(a)pyrene	310	15	450	15	µg/kg	75	37	NA	NA	None, RPD ≤ 50%
Benzo(b)fluoranthene	490	17	690	18	µg/kg	87.5	34	NA	NA	None, RPD ≤ 50%
Benzo(g,h,i)perylene	230	28	310	29	µg/kg	142.5	30	NA	NA	None, RPD ≤ 50%
Benzo(k)fluoranthene	140	11	220	11	µg/kg	55	44	NA	NA	None, RPD ≤ 50%
Chrysene	330	13	420	13	µg/kg	65	24	NA	NA	None, RPD ≤ 50%
Dibenz(a,h)anthracene	60	28	92	29	µg/kg	142.5	NA	32	57	None, absolute difference ≤ 2x Avg RL
Fluoranthene	480	28	740	29	µg/kg	142.5	43	NA	NA	None, RPD ≤ 50%
Fluorene	15	28	25	29	µg/kg	142.5	NA	10	57	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	190	28	280	29	µg/kg	142.5	38	NA	NA	None, RPD ≤ 50%
1-Methylnaphthalene	120	56	110	57	µg/kg	282.5	NA	10	113	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	110	56	130	57	µg/kg	282.5	NA	20	113	None, absolute difference ≤ 2x Avg RL
Naphthalene	100	56	110	57	µg/kg	282.5	NA	10	113	None, absolute difference ≤ 2x Avg RL
Phenanthrene	240	11	360	11	µg/kg	55	40	NA	NA	None, RPD ≤ 50%
Pyrene	500	28	720	29	µg/kg	142.5	36	NA	NA	None, RPD ≤ 50%

Evaluation of Field Duplicate Results

Attachment B

Analyte	CV0971GG-CS (680-87496-16)	RL	CV0971GG-CSD (680-87496-17)	RL	Unit	Avg. RLx5	RPD	Absolute difference	2x Avg RL	Action
Acenaphthylene	88	220	92	220	µg/kg	1100	NA	4	440	None, absolute difference ≤ 2x Avg RL
Anthracene	210	46	160	46	µg/kg	230	NA	50	92	None, absolute difference ≤ 2x Avg RL
Benzo(a)anthracene	630	44	540	44	µg/kg	220	15	NA	NA	None, RPD ≤ 50%
Benzo(a)pyrene	660	57	520	57	µg/kg	285	24	NA	NA	None, RPD ≤ 50%
Benzo(b)fluoranthene	1100	66	910	66	µg/kg	330	19	NA	NA	None, RPD ≤ 50%
Benzo(g,h,i)perylene	470	110	450	110	µg/kg	550	NA	20	220	None, absolute difference ≤ 2x Avg RL
Benzo(k)fluoranthene	350	44	320	44	µg/kg	220	9	NA	NA	None, RPD ≤ 50%
Chrysene	750	49	640	49	µg/kg	245	16	NA	NA	None, RPD ≤ 50%
Dibenzo(a,h)anthracene	150	110	280	110	µg/kg	550	NA	130	220	None, absolute difference ≤ 2x Avg RL
Fluoranthene	1300	110	970	110	µg/kg	550	29	NA	NA	None, RPD ≤ 50%
Fluorene	62	110	35	110	µg/kg	550	NA	27	220	None, absolute difference ≤ 2x Avg RL
Indeno(1,2,3-cd)pyrene	440	110	450	110	µg/kg	550	NA	10	220	None, absolute difference ≤ 2x Avg RL
1-Methylnaphthalene	160	220	230	220	µg/kg	1100	NA	70	440	None, absolute difference ≤ 2x Avg RL
2-Methylnaphthalene	200	220	210	220	µg/kg	1100	NA	10	440	None, absolute difference ≤ 2x Avg RL
Naphthalene	190	220	150	220	µg/kg	1100	NA	40	440	None, absolute difference ≤ 2x Avg RL
Phenanthrene	750	44	520	44	µg/kg	220	36	NA	NA	None, RPD ≤ 50%
Pyrene	1000	110	780	110	µg/kg	550	25	NA	NA	None, RPD ≤ 50%

Note: If the analyte was not detected, then the cell was left blank.

µg/kg - micrograms per kilogram

J - Estimated value

NA - Not applicable

RL - Reporting limit

RPD - Relative percent difference

UJ - Not detected and the limit is estimated

Precision is based on either the absolute difference between sample results or RPD. If the sample results are less than or equal to 5x's the RL, then precision is based on the absolute difference between duplicate results. If sample results >5x's RL, then precision is evaluated using RPD. J-Flag sample results whenever the absolute difference is greater than the RL (2x for soils) or the RPD >20% (50% for soil). Table above presents the results for detected analytes only.

ATTACHMENT C

CASE NARRATIVE

Case Narrative

Client: Oneida Total Integrated Enterprises LLC
Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
SDG: 68087496-1

Job ID: 680-87496-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-87496-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/15/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 5.2° C and 5.8° C.

SEMOVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0971T-CS (680-87496-1), CV0971U-CS (680-87496-2), CV0971V-CS (680-87496-3), CV0971W-CS (680-87496-4), CV0971W-CSD (680-87496-5), CV0971X-CS (680-87496-6), CV0971Y-CS (680-87496-7), CV0971Z-CS (680-87496-8), CV0971Z-CSD (680-87496-9), CV0971AA-CS (680-87496-10), CV0971BB-CS (680-87496-11), CV0971CC-CS (680-87496-12), CV0971DD-CS (680-87496-13), CV0971EE-CS (680-87496-14), CV0971FF-CS (680-87496-15), CV0971GG-CS (680-87496-16), CV0971GG-CSD (680-87496-17), CV0971HH-CS (680-87496-18), CV0971II-CS (680-87496-19) and CV0971JJ-CS (680-87496-20) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 02/19/2013 and 02/20/2013 and analyzed on 02/20/2013, 02/21/2013 and 02/22/2013.

Samples CV0971U-CS (680-87496-2)[4X], CV0971V-CS (680-87496-3)[4X], CV0971W-CS (680-87496-4)[4X], CV0971W-CSD (680-87496-5)[4X], CV0971X-CS (680-87496-6)[4X], CV0971GG-CS (680-87496-16)[4X], CV0971GG-CSD (680-87496-17)[4X], CV0971II-CS (680-87496-19)[4X] and CV0971JJ-CS (680-87496-20)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the Semivolatile Organic Compounds by GCMS - Low Level analyses.

All quality control parameters were within the acceptance limits.

ATTACHMENT D
QUALIFIED SAMPLE RESULTS

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
 SDG: 68087496-1

Client Sample ID: CV0971T-CS

Date Collected: 02/13/13 08:29
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-1

Matrix: Solid
 Percent Solids: 68.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	29	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Acenaphthylene	76		58	7.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Anthracene	66		12	6.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Benzo[a]anthracene	430		12	5.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Benzo[a]pyrene	430		15	7.6	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Benzo[b]fluoranthene	670		18	8.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Benzo[g,h,i]perylene	290		29	6.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Benzo[k]fluoranthene	240		12	5.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Chrysene	420		13	6.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Dibenz(a,h)anthracene	85		29	6.0	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Fluoranthene	720		29	5.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Fluorene	24 J		29	6.0	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Indeno[1,2,3-cd]pyrene	270		29	10	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
1-Methylnaphthalene	110		58	6.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
2-Methylnaphthalene	130		58	10	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Naphthalene	130		58	6.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Phenanthrene	330		12	5.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Pyrene	720		29	5.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	73		30 - 130				02/20/13 11:26	02/21/13 20:21	1

Client Sample ID: CV0971U-CS

Date Collected: 02/13/13 08:35
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-2

Matrix: Solid
 Percent Solids: 69.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	570	U	570	110	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Acenaphthylene	120 J		230	29	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Anthracene	160		48	24	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Benzo[a]anthracene	590		46	22	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Benzo[a]pyrene	550		60	30	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Benzo[b]fluoranthene	870		70	35	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Benzo[g,h,i]perylene	370		110	25	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Benzo[k]fluoranthene	320		46	21	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Chrysene	630		52	26	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Dibenz(a,h)anthracene	110		110	24	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Fluoranthene	1100		110	23	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Fluorene	48 J		110	24	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Indeno[1,2,3-cd]pyrene	350		110	41	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
1-Methylnaphthalene	180 J		230	25	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
2-Methylnaphthalene	210 J		230	41	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Naphthalene	170 J		230	25	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Phenanthrene	570		46	22	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Pyrene	900		110	21	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:26	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	87		30 - 130				02/19/13 14:49	02/20/13 20:26	4

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
 SDG: 68087496-1

Client Sample ID: CV0971V-CS

Date Collected: 02/13/13 08:43
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-3

Matrix: Solid
 Percent Solids: 71.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	550	U	550	110	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Acenaphthylene	91	J	220	28	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Anthracene	91		47	23	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Benzo[a]anthracene	330		44	22	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Benzo[a]pyrene	350		58	29	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Benzo[b]fluoranthene	580		68	34	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Benzo[g,h,i]perylene	240		110	24	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Benzo[k]fluoranthene	200		44	20	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Chrysene	420		50	25	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Dibenz(a,h)anthracene	78	J	110	23	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Fluoranthene	600		110	22	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Fluorene	110	U	110	23	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Indeno[1,2,3-cd]pyrene	230		110	39	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
1-Methylnaphthalene	100	J	220	24	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
2-Methylnaphthalene	120	J	220	39	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Naphthalene	120	J	220	24	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Phenanthrene	300		44	22	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Pyrene	510		110	20	ug/Kg	⊗	02/19/13 14:49	02/20/13 20:48	4
Surrogate							Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	80			30 - 130			02/19/13 14:49	02/20/13 20:48	4

Client Sample ID: CV0971W-CS

Date Collected: 02/13/13 08:45
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-4

Matrix: Solid
 Percent Solids: 70.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	560	U	560	110	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Acenaphthylene	60	J	230	28	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Anthracene	96		47	24	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Benzo[a]anthracene	390		45	22	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Benzo[a]pyrene	380		59	29	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Benzo[b]fluoranthene	630		69	34	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Benzo[g,h,i]perylene	320		110	25	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Benzo[k]fluoranthene	210	J	45	20	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Chrysene	430		51	25	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Dibenz(a,h)anthracene	89	J	110	23	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Fluoranthene	790		110	23	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Fluorene	27	J	110	23	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Indeno[1,2,3-cd]pyrene	280		110	40	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
1-Methylnaphthalene	110	J	230	25	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
2-Methylnaphthalene	120	J	230	40	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Naphthalene	100	J	230	25	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Phenanthrene	390		45	22	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Pyrene	600		110	21	ug/Kg	⊗	02/19/13 14:49	02/21/13 12:42	4
Surrogate							Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	77			30 - 130			02/19/13 14:49	02/21/13 12:42	4

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
 SDG: 68087496-1

Client Sample ID: CV0971W-CSD

Date Collected: 02/13/13 08:47
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-5

Matrix: Solid
 Percent Solids: 72.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	550	U	550	110	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Acenaphthylene	61	J	220	28	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Anthracene	130		47	23	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Benzo[a]anthracene	550		44	22	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Benzo[a]pyrene	540		58	29	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Benzo[b]fluoranthene	820		68	34	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Benzo[g,h,i]perylene	420		110	24	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Benzo[k]fluoranthene	320	J	44	20	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Chrysene	620		50	25	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Dibenz(a,h)anthracene	120		110	23	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Fluoranthene	1100		110	22	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Fluorene	35	J	110	23	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Indeno[1,2,3-cd]pyrene	370		110	39	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
1-Methylnaphthalene	94	J	220	24	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
2-Methylnaphthalene	110	J	220	39	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Naphthalene	99	J	220	24	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Phenanthrene	560		44	22	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Pyrene	820		110	20	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:05	4
Surrogate							Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	79			30 - 130			02/19/13 14:49	02/21/13 13:05	4

Client Sample ID: CV0971X-CS

Date Collected: 02/13/13 08:51
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-6

Matrix: Solid
 Percent Solids: 70.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	570	U	570	110	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Acenaphthylene	120	J	230	28	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Anthracene	140		48	24	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Benzo[a]anthracene	590		45	22	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Benzo[a]pyrene	640		59	29	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Benzo[b]fluoranthene	1000		69	35	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Benzo[g,h,i]perylene	490		110	25	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Benzo[k]fluoranthene	340		45	20	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Chrysene	730		51	25	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Dibenz(a,h)anthracene	150		110	23	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Fluoranthene	1100		110	23	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Fluorene	34	J	110	23	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Indeno[1,2,3-cd]pyrene	450		110	40	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
1-Methylnaphthalene	200	J	230	25	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
2-Methylnaphthalene	220	J	230	40	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Naphthalene	150	J	230	25	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Phenanthrene	580		45	22	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Pyrene	940		110	21	ug/Kg	⊗	02/19/13 14:49	02/21/13 13:27	4
Surrogate							Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	86			30 - 130			02/19/13 14:49	02/21/13 13:27	4

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
 SDG: 68087496-1

Client Sample ID: CV0971Y-CS

Date Collected: 02/13/13 08:56
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-7

Matrix: Solid
 Percent Solids: 75.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	26	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Acenaphthylene	39	J	53	6.6	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Anthracene	49		11	5.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Benzo[a]anthracene	230		11	5.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Benzo[a]pyrene	270		14	6.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Benzo[b]fluoranthene	440		16	8.0	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Benzo[g,h,i]perylene	220		26	5.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Benzo[k]fluoranthene	140		11	4.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Chrysene	270		12	5.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Dibenz(a,h)anthracene	56		26	5.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Fluoranthene	510		26	5.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Fluorene	17	J	26	5.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Indeno[1,2,3-cd]pyrene	170		26	9.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
1-Methylnaphthalene	65		53	5.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
2-Methylnaphthalene	81		53	9.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Naphthalene	80		53	5.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Phenanthrene	300		11	5.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Pyrene	500		26	4.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	72		30 - 130				02/20/13 11:26	02/21/13 21:16	1

Client Sample ID: CV0971Z-CS

Date Collected: 02/13/13 09:03
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-8

Matrix: Solid
 Percent Solids: 70.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Acenaphthylene	51	J	56	7.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Anthracene	42	J	12	5.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Benzo[a]anthracene	250	J	11	5.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Benzo[a]pyrene	310		15	7.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Benzo[b]fluoranthene	490		17	8.6	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Benzo[g,h,i]perylene	230		28	6.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Benzo[k]fluoranthene	140		11	5.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Chrysene	330		13	6.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Dibenz(a,h)anthracene	60		28	5.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Fluoranthene	480		28	5.6	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Fluorene	15	J	28	5.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Indeno[1,2,3-cd]pyrene	190		28	10	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
1-Methylnaphthalene	120		56	6.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
2-Methylnaphthalene	110		56	10	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Naphthalene	100		56	6.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Phenanthrene	240		11	5.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Pyrene	500		28	5.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	63		30 - 130				02/20/13 11:26	02/21/13 21:35	1

TestAmerica Savannah

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Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
 SDG: 68087496-1

Client Sample ID: CV0971Z-CSD

Date Collected: 02/13/13 09:05
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-9

Matrix: Solid
 Percent Solids: 69.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	29	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Acenaphthylene	68		57	7.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Anthracene	94	J	12	6.0	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Benzo[a]anthracene	420	J	11	5.6	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Benzo[a]pyrene	450		15	7.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Benzo[b]fluoranthene	690		18	8.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Benzo[g,h,i]perylene	310		29	6.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Benzo[k]fluoranthene	220		11	5.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Chrysene	420		13	6.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Dibenz(a,h)anthracene	92		29	5.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Fluoranthene	740		29	5.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Fluorene	25	J	29	5.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Indeno[1,2,3-cd]pyrene	280		29	10	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
1-Methylnaphthalene	110		57	6.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
2-Methylnaphthalene	130		57	10	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Naphthalene	110		57	6.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Phenanthrene	360		11	5.6	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Pyrene	720		29	5.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 21:53	1
Surrogate							Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	75			30 - 130			02/20/13 11:26	02/21/13 21:53	1

Client Sample ID: CV0971AA-CS

Date Collected: 02/13/13 09:08
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-10

Matrix: Solid
 Percent Solids: 55.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	180	U	180	36	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Acenaphthylene	72	U	72	9.0	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Anthracene	23		15	7.6	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Benzo[a]anthracene	160		14	7.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Benzo[a]pyrene	190		19	9.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Benzo[b]fluoranthene	340		22	11	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Benzo[g,h,i]perylene	180		36	8.0	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Benzo[k]fluoranthene	130		14	6.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Chrysene	200		16	8.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Dibenz(a,h)anthracene	33	J	36	7.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Fluoranthene	370		36	7.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Fluorene	11	J	36	7.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Indeno[1,2,3-cd]pyrene	140		36	13	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
1-Methylnaphthalene	23	J	72	8.0	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
2-Methylnaphthalene	40	J	72	13	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Naphthalene	53	J	72	8.0	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Phenanthrene	140		14	7.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Pyrene	310		36	6.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:12	1
Surrogate							Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	71			30 - 130			02/20/13 11:26	02/21/13 22:12	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
 SDG: 68087496-1

Client Sample ID: CV0971BB-CS

Date Collected: 02/13/13 09:11
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-11

Matrix: Solid
 Percent Solids: 67.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	150	U	150	30	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Acenaphthylene	32	J	59	7.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Anthracene	63		12	6.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Benzo[a]anthracene	310		12	5.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Benzo[a]pyrene	280		15	7.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Benzo[b]fluoranthene	490		18	9.0	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Benzo[g,h,i]perylene	210		30	6.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Benzo[k]fluoranthene	150		12	5.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Chrysene	310		13	6.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Dibenz(a,h)anthracene	67		30	6.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Fluoranthene	520		30	5.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Fluorene	16	J	30	6.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Indeno[1,2,3-cd]pyrene	160		30	11	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
1-Methylnaphthalene	110		59	6.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
2-Methylnaphthalene	120		59	11	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Naphthalene	110		59	6.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Phenanthrene	290		12	5.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Pyrene	500		30	5.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:30	1
Surrogate		%Recovery	Qualifier		Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		64			30 - 130		02/20/13 11:26	02/21/13 22:30	1

Client Sample ID: CV0971CC-CS

Date Collected: 02/13/13 09:15
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-12

Matrix: Solid
 Percent Solids: 75.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	130	U	130	27	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Acenaphthylene	20	J	53	6.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Anthracene	22		11	5.6	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Benzo[a]anthracene	120		11	5.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Benzo[a]pyrene	120		14	6.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Benzo[b]fluoranthene	220		16	8.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Benzo[g,h,i]perylene	110		27	5.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Benzo[k]fluoranthene	62		11	4.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Chrysene	170		12	6.0	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Dibenz(a,h)anthracene	31		27	5.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Fluoranthene	200		27	5.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Fluorene	11	J	27	5.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Indeno[1,2,3-cd]pyrene	66		27	9.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
1-Methylnaphthalene	120		53	5.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
2-Methylnaphthalene	160		53	9.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Naphthalene	110		53	5.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Phenanthrene	160		11	5.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Pyrene	200		27	4.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 22:48	1
Surrogate		%Recovery	Qualifier		Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		71			30 - 130		02/20/13 11:26	02/21/13 22:48	1

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
 SDG: 68087496-1

Client Sample ID: CV0971DD-CS

Date Collected: 02/13/13 09:19
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-13

Matrix: Solid
 Percent Solids: 76.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	41	J	130	26	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Acenaphthylene	25	J	52	6.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Anthracene	120		11	5.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Benzo[a]anthracene	390		10	5.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Benzo[a]pyrene	340		14	6.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Benzo[b]fluoranthene	580		16	7.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Benzo[g,h,i]perylene	230		26	5.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Benzo[k]fluoranthene	190		10	4.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Chrysene	430		12	5.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Dibenz(a,h)anthracene	61		26	5.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Fluoranthene	780		26	5.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Fluorene	40		26	5.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Indeno[1,2,3-cd]pyrene	200		26	9.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
1-Methylnaphthalene	100		52	5.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
2-Methylnaphthalene	140		52	9.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Naphthalene	95		52	5.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Phenanthrene	520		10	5.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Pyrene	710		26	4.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:07	1
Surrogate		%Recovery			Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		76			30 - 130		02/20/13 11:26	02/21/13 23:07	1

Client Sample ID: CV0971EE-CS

Date Collected: 02/13/13 09:27
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-14

Matrix: Solid
 Percent Solids: 71.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Acenaphthylene	15	J	55	6.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Anthracene	35		12	5.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Benzo[a]anthracene	100		11	5.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Benzo[a]pyrene	100		14	7.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Benzo[b]fluoranthene	180		17	8.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Benzo[g,h,i]perylene	79		28	6.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Benzo[k]fluoranthene	54		11	5.0	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Chrysene	140		12	6.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Dibenz(a,h)anthracene	19	J	28	5.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Fluoranthene	210		28	5.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Fluorene	10	J	28	5.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Indeno[1,2,3-cd]pyrene	63		28	9.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
1-Methylnaphthalene	49	J	55	6.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
2-Methylnaphthalene	62		55	9.8	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Naphthalene	40	J	55	6.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Phenanthrene	160		11	5.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Pyrene	210		28	5.1	ug/Kg	⊗	02/20/13 11:26	02/21/13 23:25	1
Surrogate		%Recovery			Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		79			30 - 130		02/20/13 11:26	02/21/13 23:25	1

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Sample results have been qualified by URIS in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site, Birmingham, Alabama, Revision 1 (OTIE, October 2012)

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
 SDG: 68087496-1

Client Sample ID: CV0971FF-CS

Date Collected: 02/13/13 09:35
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-15

Matrix: Solid
 Percent Solids: 70.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	140	U	140	28	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Acenaphthylene	11	J	56	7.0	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Anthracene	15		12	5.9	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Benzo[a]anthracene	45		11	5.5	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Benzo[a]pyrene	36		15	7.3	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Benzo[b]fluoranthene	62		17	8.6	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Benzo[g,h,i]perylene	51		28	6.2	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Benzo[k]fluoranthene	30		11	5.1	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Chrysene	79		13	6.3	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Dibenz(a,h)anthracene	15	J	28	5.8	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Fluoranthene	79		28	5.6	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Fluorene	28	U	28	5.8	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Indeno[1,2,3-cd]pyrene	38		28	10	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
1-Methylnaphthalene	35	J	56	6.2	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
2-Methylnaphthalene	42	✓ J	56	10	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Naphthalene	36	J	56	6.2	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Phenanthrene	70		11	5.5	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Pyrene	94		28	5.2	ug/Kg	⊗	02/20/13 11:26	02/22/13 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	49		30 - 130				02/20/13 11:26	02/22/13 13:08	1

Client Sample ID: CV0971GG-CS

Date Collected: 02/13/13 09:50
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-16

Matrix: Solid
 Percent Solids: 73.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	540	U	540	110	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Acenaphthylene	88	J	220	27	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Anthracene	210		46	23	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Benzo[a]anthracene	630		44	21	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Benzo[a]pyrene	660		57	28	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Benzo[b]fluoranthene	1100		66	33	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Benzo[g,h,i]perylene	470		110	24	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Benzo[k]fluoranthene	350		44	20	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Chrysene	750		49	24	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Dibenz(a,h)anthracene	150		110	22	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Fluoranthene	1300		110	22	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Fluorene	62	J	110	22	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Indeno[1,2,3-cd]pyrene	440		110	39	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
1-Methylnaphthalene	160	J	220	24	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
2-Methylnaphthalene	200	J	220	39	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Naphthalene	190	J	220	24	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Phenanthrene	750		44	21	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Pyrene	1000		110	20	ug/Kg	⊗	02/20/13 11:26	02/21/13 15:43	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	81		30 - 130				02/20/13 11:26	02/21/13 15:43	4

TestAmerica Savannah

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Event Sampling
QAPP for the 35th Avenue Removal Site, Birmingham, Alabama

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Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
 SDG: 68087496-1

Client Sample ID: CV0971GG-CSD

Date Collected: 02/13/13 09:53
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-17

Matrix: Solid
 Percent Solids: 72.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	540	U	540	110	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Acenaphthylene	92	J	220	27	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Anthracene	160		46	23	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Benzo[a]anthracene	540		44	21	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Benzo[a]pyrene	520		57	28	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Benzo[b]fluoranthene	910		66	33	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Benzo[g,h,i]perylene	450		110	24	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Benzo[k]fluoranthene	320		44	20	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Chrysene	640		49	25	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Dibenz(a,h)anthracene	280		110	22	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Fluoranthene	970		110	22	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Fluorene	35	J	110	22	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Indeno[1,2,3-cd]pyrene	450		110	39	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
1-Methylnaphthalene	230		220	24	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
2-Methylnaphthalene	210	J	220	39	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Naphthalene	150	J	220	24	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Phenanthrene	520		44	21	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Pyrene	780		110	20	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:05	4
Surrogate							Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	87			30 - 130			02/20/13 11:26	02/21/13 16:05	4

Client Sample ID: CV0971HH-CS

Date Collected: 02/13/13 09:56
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-18

Matrix: Solid
 Percent Solids: 52.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	190	U	190	37	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Acenaphthylene	65	J	75	9.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Anthracene	73		16	7.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Benzo[a]anthracene	240		15	7.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Benzo[a]pyrene	260		19	9.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Benzo[b]fluoranthene	420		23	11	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Benzo[g,h,i]perylene	160		37	8.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Benzo[k]fluoranthene	130		15	6.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Chrysene	280		17	8.4	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Dibenz(a,h)anthracene	50		37	7.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Fluoranthene	500		37	7.5	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Fluorene	21	J	37	7.7	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Indeno[1,2,3-cd]pyrene	160		37	13	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
1-Methylnaphthalene	66	J	75	8.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
2-Methylnaphthalene	74	J	75	13	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Naphthalene	81		75	8.2	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Phenanthrene	250		15	7.3	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Pyrene	410		37	6.9	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:28	1
Surrogate							Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	71			30 - 130			02/20/13 11:26	02/21/13 16:28	1

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Sample results have been qualified in accordance with the Non-Industrial Use Property Sampling Event QAPP for the 35th Avenue Removal Site.

TestAmerica Savannah

Client Sample Results

Client: Oneida Total Integrated Enterprises LLC
 Project/Site: 35th Avenue Superfund Site

TestAmerica Job ID: 680-87496-1
 SDG: 68087496-1

Client Sample ID: CV0971II-CS

Date Collected: 02/13/13 09:58
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-19

Matrix: Solid
 Percent Solids: 58.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	690	U	690	140	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Acenaphthylene	86	J	280	35	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Anthracene	110		58	29	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Benzo[a]anthracene	330		55	27	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Benzo[a]pyrene	340		72	36	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Benzo[b]fluoranthene	550		85	42	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Benzo[g,h,i]perylene	250		140	30	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Benzo[k]fluoranthene	210		55	25	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Chrysene	390		62	31	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Dibenz(a,h)anthracene	70	J	140	28	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Fluoranthene	590		140	28	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Fluorene	33	J	140	28	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Indeno[1,2,3-cd]pyrene	220		140	49	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
1-Methylnaphthalene	77	J	280	30	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
2-Methylnaphthalene	100	J	280	49	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Naphthalene	120	J	280	30	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Phenanthrene	310		55	27	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Pyrene	500		140	26	ug/Kg	⊗	02/20/13 11:26	02/21/13 16:50	4
Surrogate		%Recovery	Qualifier		Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		99			30 - 130		02/20/13 11:26	02/21/13 16:50	4

Client Sample ID: CV0971JJ-CS

Date Collected: 02/13/13 10:08
 Date Received: 02/15/13 09:42

Lab Sample ID: 680-87496-20

Matrix: Solid
 Percent Solids: 68.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	590	U	590	120	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Acenaphthylene	270		230	29	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Anthracene	270		49	25	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Benzo[a]anthracene	1100		47	23	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Benzo[a]pyrene	1100		61	31	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Benzo[b]fluoranthene	1700		72	36	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Benzo[g,h,i]perylene	670		120	26	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Benzo[k]fluoranthene	640		47	21	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Chrysene	1300		53	26	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Dibenz(a,h)anthracene	200		120	24	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Fluoranthene	2100		120	23	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Fluorene	63	J	120	24	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Indeno[1,2,3-cd]pyrene	630		120	42	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
1-Methylnaphthalene	240		230	26	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
2-Methylnaphthalene	250		230	42	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Naphthalene	230		230	26	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Phenanthrene	990		47	23	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Pyrene	1700		120	22	ug/Kg	⊗	02/20/13 11:26	02/21/13 17:13	4
Surrogate		%Recovery	Qualifier		Limits		Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>		105			30 - 130		02/20/13 11:26	02/21/13 17:13	4

TestAmerica Savannah